ABSTRACT

When broadcasting of an MPEG2 system is received, simultaneous reception of programs by a plurality of transport streams is enabled without changing a CA system, thereby enabling back program recording or PinP reproduction. A necessary packet is extracted from each of a plurality of transport streams TS1, TS2, ..., SI is removed by SI removing circuits 83-1, 83-2, ..., thereby reconstructing to one transport stream. In an SI reconstructing circuit 81, packet information of the SI is extracted from each of the plurality of transport streams and a new SI packet is reconstructed from the plurality of transport streams without causing a collapse in the system. Thus, the back program recording, multiscreen reproduction, PinP reproduction, or the like can be executed without changing the CA system.